



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Stuyver, Lieven *et al.*

Serial No. 10/008,140

Filed: October 18, 2001

For: Simultaneous Quantification of Nucleic Acids in Diseased Cells

Commissioner for Patents  
Alexandria, VA 22313-1450

**APPOINTMENT OF ASSOCIATE ATTORNEY**

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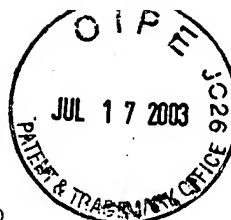
Sir:

Please recognize Stephanie D. Adams, Reg. No. 47,378, of the firm of King & Spalding, LLP, 45<sup>th</sup> Floor, 191 Peachtree Street, N.E., Atlanta, Georgia 30303, as Associate Agent in the above-entitled application, and continue to address all future communication to Sherry M. Knowles, Esq.

Respectfully submitted,

Sherry M. Knowles, Esq.  
Reg. No. 33,052

King & Spalding, LLP  
191 Peachtree Street, N.E.  
Atlanta, Georgia 30303  
404.572.3404  
404-572-5145 (fax)

**DECLARATION AND POWER OF ATTORNEY**In re Application of: Lieven Stuyver and Michael J. Otto

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and sole inventor (OR a original, first and joint inventor) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Simultaneous Quantification of Nucleic Acids in Diseased Cells** the specification of which was filed with the U.S. Patent and Trademark Office on October 18, 2001, as U.S. Patent Application No. 10/008,140.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
<u>None</u>			

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>60/241,488</u>	<u>18 October 2000</u>	<u>60/282,156</u>	<u>06 April 2001</u>
<u>60/256,067</u>	<u>15 December 2000</u>		
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

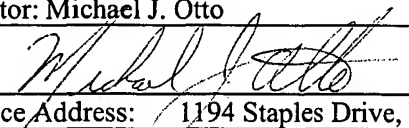
<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
<u>None</u>		

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

POWER OF ATTORNEY: The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Clark G. Sullivan-36,942; Holmes J. Hawkins-38,913; Steven P. Wigmore-40,447; Lisa K. Norton-44,977; Charles E. Peeler-45,004; Joseph M. Bennett-Paris-47,226; Shane A. Nichols-43,836; Bob Neufeld-48,394; Josephine Young 48,308; Bill Isaacs-44,165.

Send correspondence to: Sherry M. Knowles  
**King & Spalding**  
191 Peachtree Street, N.E., 45<sup>th</sup> Floor  
Atlanta, Georgia 30303

Direct telephone calls at (404) 572-4600  
Sherry M. Knowles

Full name of joint inventor: Michael J. Otto	Citizenship: US
Inventor's signature: 	Date: 11/05/01
Residence and Post Office Address: 1194 Staples Drive, Lilburn, GA 30047 US	

**DECLARATION AND POWER OF ATTORNEY**In re Application of: Lieven Stuyver and Michael J. Otto

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and sole inventor (OR a original, first and joint inventor) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Simultaneous Quantification of Nucleic Acids in Diseased Cells** the specification of which was filed with the U.S. Patent and Trademark Office on October 18, 2001, as U.S. Patent Application No. 10/008,140.

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None

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

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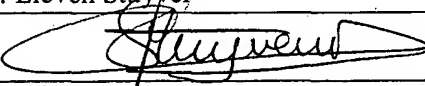
None

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

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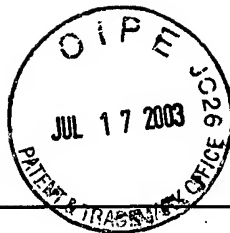
Send correspondence to: Sherry M. Knowles  
**King & Spalding**  
 191 Peachtree Street, N.E., 45<sup>th</sup> Floor  
 Atlanta, Georgia 30303

Direct telephone calls at (404) 572-4600  
 Sherry M. Knowles

Full name of joint inventor: Lieven Stuyver	Citizenship: BE
Inventor's signature: 	Date: Nov. 1, 2001
Residence and Post Office Address: 3330 Forrest Bend Lane Snellville, GA 30039 US	



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



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JUNE 13, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov

SHERRY M. KNOWLES, ESQ.  
191 PEACHTREE STREET  
ATLANTA, GA 30303-1763



\*102060734A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/11/2002

REEL/FRAME: 012794/0357  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
STUYVER, LIEVEN

DOC DATE: 11/01/2001

ASSIGNOR:  
OTTO, MICHAEL J.

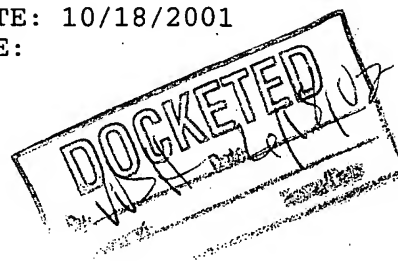
DOC DATE: 11/05/2001

ASSIGNEE:  
PHARMASSET, LTD.  
1860 MONTREAL ROAD  
TUCKER, GEORGIA 30084

ASSIGNEE:  
FINANCIAL SERVICES CENTER  
SUITE 111, BISHOP'S COURT HILL  
ST. MICHAEL, WEST INDIES, BARBADOS

SERIAL NUMBER: 10008140  
PATENT NUMBER:

FILING DATE: 10/18/2001  
ISSUE DATE:



012794/0357 PAGE 2

VIOLET MCCOY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



04-19-2002

FORM-PTO-1595  
1-31-92TRANSMITTAL  
102060734  
PATENTS ONLYJRDATION  
Atty. Docket 08841.105021

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Lieven Stuyver and Michael J. Otto  
Additional name(s) of conveying party(ies) attached?  
☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Pharmasset, Ltd.Foreign Address: The Financial Services Center,  
Suite 111, Bishop's Court Hill, St. Michael, Barbados,  
West IndiesDomestic Address: 1860 Montreal RoadCity: Tucker State: GA ZIP: 30084Additional name(s) & address(es) attached?  
☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name

Other \_\_\_\_\_

Execution Date: 11/01/01 and 11/5/01

4. Application number (s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 6/24/99

A. Patent Application No.(s) 10/008,140

B Patent Registration No. (s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sherry M. Knowles, Esq.191 Peachtree StreetAtlanta, Georgia 30303-1763Telephone No.: 404- 572- 4600Facsimile No.: 404 572-5100

6. Number of applications and patents involved:

one7. Total fee (37 CFR 3.41): \$ 40☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number

11-0980

(Attach duplicate copy of this page if paying by deposit account):

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy of the original document.*

Sally Sexton

Name of Person Signing

Sally Sexton  
SignatureJanuary 28, 2002

Date

Total number of pages comprising cover sheet: 1

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2002 APR 11 AM 11:49  
FINANCE SECTION



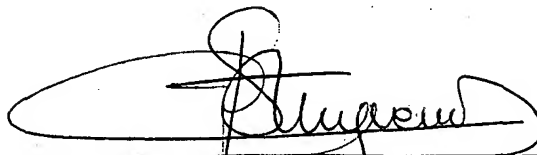
## ASSIGNMENT

WHEREAS, WE, LIEVEN STUYVER, and MICHAEL J. OTTO have invented certain improvements in "Simultaneous Quantification of Nucleic Acids in Diseased Cells" for which we have executed United States non-provisional application on October 18, 2001; and

WHEREAS, PHARMASSET LTD. a Barbados corporation having an office at 1860 Montreal Rd. Tucker GA. 30084, desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by PHARMASSET LTD., the receipt and sufficiency of which are hereby acknowledged, I, LIEVEN STUYVER, have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto PHARMASSET LTD., in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said application for United States Letters Patent or any application, reissue, renewal, division, continuation or continuation-in-part thereof; or any foreign counterpart thereof or any other application that claims priority to the above-application, and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 1 day of November, 2001.

  
LIEVEN STUYVER

STATE OF GEORGIA )

COUNTY OF Cobb )

ss.

On this 1<sup>st</sup> day of November, 2001, before me, a notary public, came Lieven Stuyver, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.



(SEAL)

  
Notary Public

My commission expires: Jan. 26, '04

## ASSIGNMENT

WHEREAS, WE, LIEVEN STUYVER, and MICHAEL J. OTTO have invented certain improvements in "Simultaneous Quantification of Nucleic Acids in Diseased Cells" for which we have executed United States non-provisional application on October 18, 2001; and

WHEREAS, PHARMASSET LTD. a Barbados corporation having an office at 1860 Montreal Rd. Tucker GA. 30084, desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by PHARMASSET LTD., the receipt and sufficiency of which are hereby acknowledged, I, MICHAEL J. OTTO, have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto PHARMASSET LTD., in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said application for United States Letters Patent or any application, reissue, renewal, division, continuation or continuation-in-part thereof; or any foreign counterpart thereof or any other application that claims priority to the above-application, and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

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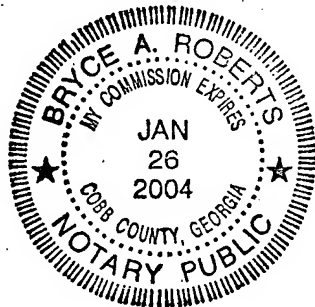
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 5<sup>th</sup> day of November, 2001.

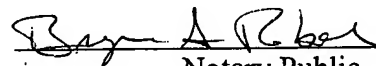
  
MICHAEL J. OTTO

STATE OF GEORGIA                    )  
  )  
COUNTY OF COBB                    )   ss.

On this 5<sup>th</sup> day of November, 2001, before me, a notary public, came Michael J. Otto, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

(SEAL)



  
Notary Public

My commission expires: 01/26/04